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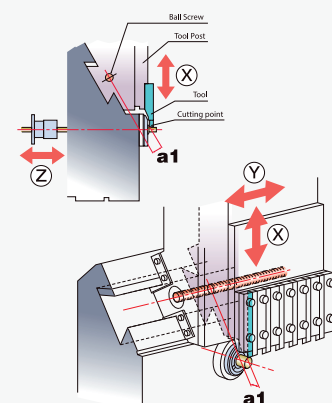
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## Advanced modular design allows for optimum machine flexibility

The SR-32JII introduces a new modular design from Star Micronics in response to our users' requirements for increased flexibility, giving operators the freedom to develop optimal machine configurations for any application. With both A and B machine types available as required, the SR-32JII is one of Star's most versatile machines ever.

- » Changeover mechanism speeds transitions between guide bush and non-guide bush modes.
- » Cross drilling unit includes a 5-spindle type (three cross drilling units ER20 + 2-position cartridge) and a 6-spindle type (ER16 x 6pcs).
- » Type A is equipped with a 6-spindle type and Type B is equipped with Y-axis control/8-spindle type backworking tool post.
- » The backworking tool post features increased pitch centres for 32mmØ OD turning without interference with the other tool stations.
- » Type B features a backworking 8-spindle unit accommodating a power tool unit in all positions as standard; Type A features an optional tool rotation drive unit.
- » Improved accessibility with lowered threshold height, movable control panel, and reduced distance from the machine front to the guide bush.

## High rigidity tool post



The Y-axis slideway of the tool post incorporates a slanted dovetail structure. The X and Y-axis slideways are positioned close to the cutting point, which improves machine rigidity and stability. A highly rigid spindle sleeve guide system is used in non-guide bush mode, reducing cutting resistance and improving rigidity. Spindle indexing accuracy has also been vastly improved from previous models.



### Standard Machine Specifications

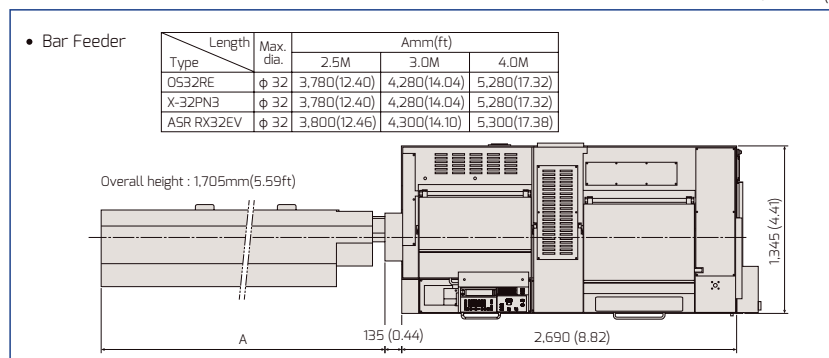
| Item                               | Specifications   |  |
|------------------------------------|--|--|
| Max. machining diameter            | φ32mm(1-1/4in)   |  |
| Max. headstock stroke              | Standard   | 320mm(12-19/32in)  |
|                                    | R.M.G.B. type  | 286.5mm(11-9/32in)   |
|                                    | N.G.B. type  | Bar diameter ×2.5 (Max.80mm)(Max.3-5/32in)   |
| Tool                               | Number of tools  | 6 tools  |
|                                    | Tool shank   | □ 16mm   |
| 5-Spindle sleeve holder            | Number of tools  | Front 5 tools<br>Rear 5 tools  |
|                                    | Max. drilling capability                                     | φ13mm(33/64in)   |
|                                    | Max. tapping capability                                      | M12×P1.75  |
|                                    | Number of tools  | Cross milling 3 tools (ER20) + Cartridge type 2Pos<br>Cross milling 6 tools (ER16) |
| Power driven attachment            | Max. drilling capability                                     | φ10mm(25/64in)   |
|                                    | Max. tapping capability                                      | M8×P1.25   |
|                                    | Spindle speed  | Cross milling : Max.6,000min <sup>-1</sup>   |
|                                    |  | Cartridge-type tool: Max.8,000min <sup>-1</sup>                                    |
| Drive motor                        | 2.2kw(continuous)/4.0kw(5min./30%ED)                         |  |
| Rapid feed rate                    | 35m/min ( X1, X2, Y1, Z1, Z2 ), 24m/min ( Y2 ) : type B only |  |
| Main spindle indexing angle        | C-axis control   |  |
| Main spindle speed                 | Max.8,000min <sup>-1</sup>                                   |  |
| Main spindle motor                 | 7.5kw(continuous)/11.0kw(10min./25%ED)                       |  |
| Coolant tank capacity              | 255ℓ   |  |
| Dimensions (W×D×H)                 | 2,690×1,345×1,780mm  |  |
| Weight                             | 4,100kg  |  |
| Power consumption                  | 8.8KVA   |  |
| A-weighted sound pressure : note-1 | Max. 77dB  |  |

### Backworking Attachment Specifications

| Item                                   | Specifications                        |                                      |                 |
|--|---------------------------------------|--------------------------------------|-----------------|
| Max. chucking diameter                 | φ 32mm(1-1/4in)                       |                                      |                 |
| Max. length for front ejection         | 125mm(4-59/64in)                      |                                      |                 |
| Max. parts projection length           | 45mm(1-49/64in)                       |                                      |                 |
| Unit especially for backworking note-2 | Number of tools                       | 6 tools (type A)<br>8 tools (type B) |                 |
|  | Max. drilling capability              | Stationary tool                      | φ 13mm(33/64in) |
|  |                                       | Power driven tool                    | φ 8mm(5/16in)   |
|  | Max. tapping capability               | Stationary tool                      | M10×P1.5        |
| Power driven tool                      |                                       | M 6×P1.0                             |                 |
| Power-driven att. spindle speed        | Max.8,000min <sup>-1</sup>            |                                      |                 |
| Power-driven att. drive motor          | 1.0kw(continuous)/1.2kw(5min./30%ED)  |                                      |                 |
| Sub spindle indexing angle             | C-axis control                        |                                      |                 |
| Sub spindle speed                      | Max.8,000min <sup>-1</sup>            |                                      |                 |
| Sub spindle motor                      | 3.7kw(continuous)/5.5kw(10min./40%ED) |                                      |                 |

### External Dimensions and Floor Space

unit : mm(ft)



※Design features, specifications and technical execution are subject to change without prior notice.

※This product is an export control item subject to the foreign exchange and foreign trade laws. Thus, before exporting this product, or taking it overseas, contact your STAR MICRONICS dealer.

### Standard Accessories and Functions

- CNC unit FANUC 32i-B
- Operation panel 10.4-inch color LCD display
- Manual pulse generator
- Pneumatic unit
- Hydraulic unit
- Coolant level detector
- Automatic centralized lubrication unit
- Door interlock system
- Cs contouring control (main/sub)
- Spindle clamp unit (Main / Sub)
- Spindle cooling unit
- Revolving guide bush unit
- Drive unit for revolving guide bush
- Air purge for revolving guide bush
- Main / Sub collet
- 6-station tool holder □ 16mm
- cross drilling unit (Gang type tool post)
- Drive unit for power-driven (Gang type tool post)
- 5-spindle sleeve holder
- Broken cutoff tool detector
- Backworking attachment
- Back 6-spindle unit ※ TypeA
- 8-spindle backworking unit with Y axis control function ※ TypeB
- Sub spindle air purge unit
- Drive unit for power-driven(Back 8-spindle unit) ※ TypeB
- Parts conveyor
- Work light
- Leakage breake

### Optional Accessories and Functions

- Coolant flow detector
- Water removal unit
- Oil mist filter
- Beacon
- Main spindle inner tube
- Rotary magic guide bush unit
- Non-guide bush type
- Feed arrow steady rest
- Drive unit for power-driven attachment B ※ TypeA Only
- Parts ejector (Spring type)
- Parts ejector (Air cylinder type)
- Parts ejector with guide tube
- Parts stopper unit
- Coolant unit (6.9MPa/2.5MPa/0.7MPa)
- Coolant unit signal cable
- Coolant unit power cable
- Coolant valve
- Coolant pipings
- Automatic bar feeder interface
- LAN/RS232C interface
- Transformer
- Transformer CE marking version
- Transformer CE marking specifications

Note)

The machining capacities apply to SUS303 material. The machining capacities may differ from listed values depending on the machining conditions, such as the material to be machined or the tools to be used.

note-1: • Measures conforming to ISO standard.  
• A-weighted sound pressure is a general assessment standard characteristic that corrected the sound level to human acoustic sense.

note-2: • In order to use the rotary tool, the driven system for power-driven tool type B is needed.(TypeA)